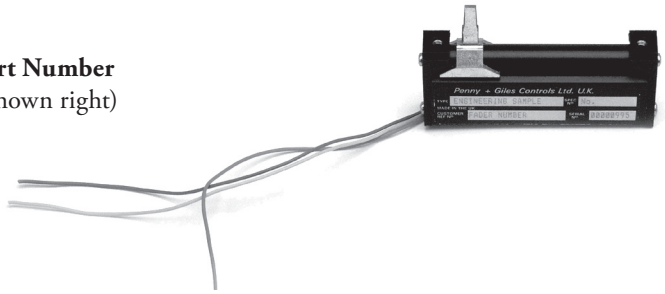
Service Instructions for Penny & Giles X3000 Series Crossfader

Introduction

Servicing is limited to cleaning, re-lubrication and replacement of some components, such as the slider and track assembly. Periodic maintenance provides a smooth operating feel and extends the life of the fader. Cleaning of the fader is necessary if it is used in dirty or dusty environments or if contaminants have reached inside. The fader **must be removed** from the panel before servicing.

Spare Part Description	Penny & Giles Part No.	Rane Part Number
PGFX3000	D460621	12206 (shown right)



Instructions

1. Remove the two screws from the end of the fader where the wires exit, and pull away the end block. Withdraw the dust cover and damping washer. Taking great care remove the slider assembly, ensuring the wiper contacts are not damaged as this affects operation. Cleaning of the slider assembly is possible by gently wiping the wiper contacts and slider bearings using a tissue or cotton bud. If the slider bearings are excessively worn, as seen by excessive slider rocking, a replacement assembly should be fitted.

2. Clean the guide rod, using a tissue or cloth, removing all traces of dirt or contamination.

3. Remove the track by carefully withdrawing from the unit and placing face up on the desk. It may be cleaned with a lint free cloth, rubbing firmly along the track so no debris remains. If necessary, the track can be washed in warm water, wiped gently and then dried thoroughly using a dry cloth. When dry, wipe with a lint free cloth and check for marks along the track. (*Note*: Lint-free clothes are recommended to avoid dust or fibers from being deposited). If the track appears worn, or if cleaning does not improve operation, replacement may be necessary.

4. Examine the centre channel of the fader body and if dirty, clean using cotton buds.

5. Re-assemble and lubricate the fader as follows:
   a) Hold the fader body so the end block is to your right, as shown below (the label may be on either side).
   a) Insert the slider assembly onto the guide rod and into the fader body, with the contacts facing away from you.
   b) Insert the track into the back of the fader body with the track contacts facing you (to meet the slider contacts).
   c) Lubricate the guide rod by placing one small drop of silicon oil, using a cocktail stick, either side of the slider assembly. Move the slider from end to end in order to disperse the oil evenly. Carefully wipe away any excess oil using a tissue or cloth.
   e) Insert the dust cover and damping washer. Hold in place while securing the remaining end block. Be sure track wires exit the bottom of the fader body and are not pinched.

6. Once assembled, move the slider from end to end and ensure operation is smooth.